

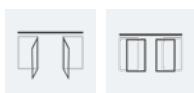


V-SWITCH

Opening laser sensor for automatic doors



APPLICATIONS



TECHNOLOGY

Laser

DESCRIPTION

The **V-SWITCH** is a touchless opening sensor for automatic doors, using laser technology. It activates the door when an intentional movement is detected in a pre-defined area. The sensor can be surface or recessed mounted and is used as a switch. Thanks to its different operating modes and outputs, the sensor offers a great flexibility (toggle mode, partial versus full opening, etc). It is the ideal solution for applications where hygiene is essential: hospital, clean rooms, hotels and restaurants, pharmaceutical industries, logistics and retail.



Touchless and hygienic

The **V-SWITCH** is a touchless sensor for hygienic spaces limiting the spread of bacteria. A simple gesture or movement in its detection field opens the door.



Plug and go

Recessed or surface mounted, the installation of the **V-SWITCH** is intuitive, avoiding drilling or running cables through walls. Upon first powering up, it learns its environment and offers preconfigured settings.



Designed for every environment

The **V-SWITCH** easily fits into any configuration and can activate sliding or swing doors. Its built-in design makes it vandalism-proof.

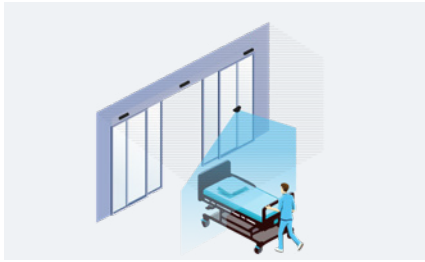


Variety of applications

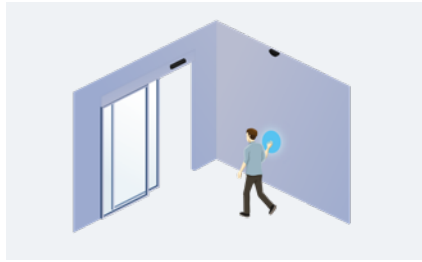
Thanks to the virtual opening curtain or buttons, the **V-SWITCH** provides a range of options to activate the door, with a short or a long push for example, to achieve the desired behavior.

APPLICATIONS

Depending on the door type and the application, the **V-SWITCH** can be configured in multiple ways :



Activate the door with a curtain for 'hands-free' access



Activate the door with one virtual button to open a door



Activate two virtual buttons for different actions (thanks to short push vs long push)

INSTALLATION

- Two visible spots help adjusting the position of the detection field.
- The field angle is easily adjustable: 0-5 degree.
- Additional parameters can be adjusted by remote control.

VERSIONS



V-SWITCH Recessed

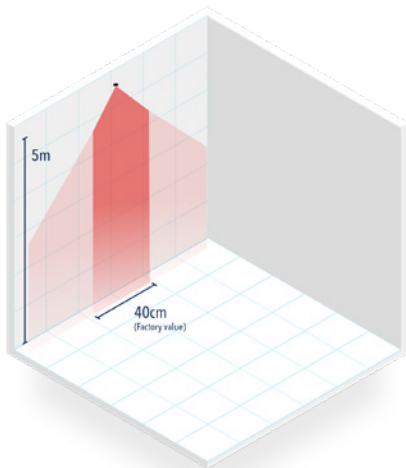
Recessed mounting
02.0978



V-SWITCH Surface

Surface mounting
02.0979

TECHNICAL SPECIFICATIONS



Technology	LASER scanner, time-of-flight measurement
Detection mode	Presence
Installation height	Max : 5m Min : 2m
Opening angle	90°
Angular resolution	0.23° (400 spots within 90°)
Optical characteristics IEC/EN 60825-1	Wavelength 905 nm; output power < 0.1mW ; CLASS 1 Wavelength 635 nm; output power < 1 mW ; CLASS 2 - visible spot
Supply voltage	12-24V DC ± 15%
Power consumption	≤ 2.2 W
Response time	Max. 90 ms
Output	1 optocoupler (galvanic isolation - polarity free) Max. switching voltage: 30V AC / 42V DC Max. switching current: 100 mA 1 Relay (free of potential change-over contact) Max. contact voltage: 30V AC / 42V DC Max. contact current: 1.0A (resistive) Max. switching power: 30W (DC)
LED-signals	1 bi-coloured LED: detection/output status
Dimensions	Recessed version 178 mm (L) × 85 mm (H) × 53 mm (D) Surface version 168 mm (L) × 93 mm (H) × 42.5mm (D)
Material - Colour	PC/ABS - Black / Aluminum
Tilt angles	0° to +5°
Protection degree	IP54 (IEC/EN 60529)
Temperature range	-30°C to +60°C if powered
Humidity	0-95% non-condensing
Vibrations	< 2 G
Conformity	This product conforms to all applicable European Union legislation. Please refer to the Declaration of Conformity for further information.

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